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Amended Claims

(67)

1. A method of detecting the presence of HPV comprising the following steps:
 - a. amplification and labelling part of the E1 HPV gene, in particular its 3' end;
 - b. hybridizing the labelled fragment to a solid support containing microarrays with various HPV specific capture probes in the 3'end of the E1 region;
 - c. removing uncaptured labeled fragments;
 - d. detecting captured detectable moiety indicating the presence of HPV sequence DNA in a sample.
- 10 2. The method according to claim 1, wherein first nucleic acid probes are printed on the glass support or are built on the support by light-directed oligonucleotide synthesis.
- 15 3. The method according to claim 1 where a combination of the E1 region is used with another HPV sequence.
4. "A kit comprising":
 - a. a device suitable for carrying out the detection method according to the present invention as claimed in any one of claims 1 to 3;
 - b. a number of primer sets;
 - 20 c. one or more solid supports containing capture probes in the 3' side of the E1 HPV region;
5. A kit comprising according to claim 4, further comprising:
 - 25 d. reagents for signal enhancement.